

# INTERNATIONAL SEARCH REPORT

PCT/JP2005/006810

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H03H9/17

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H03H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 5 864 261 A (WEBER ET AL)  26 January 1999 (1999-01-26)  figure 1  column 3, lines 9-18,31-33,43-47  column 4, lines 62-66  column 5, lines 1-12,21,22,36-38,53-61  column 7, lines 36-40,53-57  column 10, lines 31-33,36,37  column 10, line 40 - column 11, line 13  column 13, lines 64-67</p> <p>-----  -/--</p>	1-12

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

6 July 2005

Date of mailing of the international search report

14/07/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Plathner, B-D

# INTERNATIONAL SEARCH REPORT

PCT/JP2005/006810

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>OLUTADE B L ET AL: "Sensitivity analysis of a thin film bulk acoustic resonator ladder filter"</p> <p>FREQUENCY CONTROL SYMPOSIUM, 1997., PROCEEDINGS OF THE 1997 IEEE INTERNATIONAL ORLANDO, FL, USA 28-30 MAY 1997, NEW YORK, NY, USA, IEEE, US, 28 May 1997 (1997-05-28), pages 737-742, XP010257511</p> <p>ISBN: 0-7803-3728-X</p> <p>abstract; figures 5,8</p> <p>page 739, right-hand column, lines 15-18,39-47</p>	1-12
A	<p>-----</p> <p>US 5 714 917 A (ELLA ET AL)</p> <p>3 February 1998 (1998-02-03)</p> <p>figures 18a,21</p> <p>column 9, lines 36-45</p> <p>column 10, lines 38,39</p> <p>column 11, lines 29-35,50-52</p>	1-12
A	<p>-----</p> <p>DE 101 24 349 A1 (INFINEON TECHNOLOGIES AG) 5 December 2002 (2002-12-05)</p> <p>figure 4a</p> <p>abstract</p> <p>column 1, lines 54-56</p> <p>column 2, lines 16,66</p> <p>column 3, lines 27,46</p> <p>column 4, lines 11,12,37,38</p> <p>column 5, lines 35-40,64,65</p> <p>column 7, lines 50-68</p> <p>column 9, lines 14-16</p> <p>paragraph [0056]</p> <p>-----</p>	1-12

# INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/JP2005/006810

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5864261	A	26-01-1999	NONE	
US 5714917	A	03-02-1998	DE 69724724 D1 DE 69724724 T2 EP 0834989 A2 JP 10126160 A	16-10-2003 08-07-2004 08-04-1998 15-05-1998
DE 10124349	A1	05-12-2002	WO 02095939 A1 EP 1393440 A1 JP 2004534445 T US 2004130847 A1	28-11-2002 03-03-2004 11-11-2004 08-07-2004